J. Electroanal. Chem., 288 (1990) 295
Elsevier Sequoia S.A., Lausanne

Author index

Albalat, R. 277
Albery, W.J. 15
Aldaz, A. 217
Amatore, C. 45
Azzabi, M. 45

Bald, A. 75
Boldyrev, Y.I. 35
Bouderbala, M. 153
Brown, A.R. 245

Calas, P. 45
Cerdá, V. 99
Chang, S.-C. 285
Chen, S.-M. 177
Christensen, P.A. 197
Cladera, A. 99
Claret, J. 277
Clavilier, J. 277
Czerwinski, A. 271

Despić, A.R. 229

Elliott, C.M. 15
Estela, J.M. 99
Evans, D.H. 111

Fanelli, N. 263
Feliu, J.M. 277
Freeman, N.A. 197

Girault, H.H. 245
Gorodyskii, A.V. 35
Górski, W. 143
Gregorowicz, J. 75

Hamnett, A. 197
Holliday, R.I. 83

Ivanova, N.D. 35

Jović, B.M. 229
Jović, V.D. 229
Jutand, A. 45

Karasevskii, A.I. 35
Karnaukhov, I.N. 35
Karny, M. 129
Karpinski, Z.J. 129
Kozlowski, Z. 75
Kublik, Z. 129
Kuwana, T. 177

Lasia, A. 153
Laviron, E. 165
Lefrou, C. 45

Marassi, R. 271
Morallón, E. 217
Mount, A.R. 15
Muir, A.V.G. 197
Myland, J.C. 1

Oldham, K.B. 1

Pospíšil, L. 263

Richmond, W.R. 83
Rollin, Y. 45
Roth, J.D. 285
Roullier, L. 165

Samec, Z. 245
Schneider, H. 143
Seto, J. 65
Smith, D.K. 111
Sobkowski, J. 271
Strohben, W.E. 111
Stroka, J. 143
Su, Y.O. 177

Vázquez, J.L. 217

Weaver, M.J. 285

Yasuda, A. 65
Yellowlees, L.J. 245

Záliš, S. 263
Zamponi, S. 271

J. Electroanal. Chem., 288 (1990) 296–298
Elsevier Sequoia S.A., Lausanne

Subject index

Adsorptive stripping voltammetry
Monte Carlo simulations of adsorption/desorption processes related to adsorptive stripping voltammetry (Fanelli et al.) 263
Aniline
Effect of surface long-range order in aniline interaction with Pt(111) electrodes in acid medium (Albalat et al.) 277
Anodic stripping potentiometry
Kinetic determination of Hg(II) by anodic stripping potentiometry (Cladera et al.) 99
Aromatic nitro compounds
The reduction mechanism of aromatic nitro compounds in aqueous medium. Part I. Reduction to dihydroxylamines between pH 0 and 5 (Laviron, Roullier) 165

Band frequency–potential shifts
Infrared spectroscopy of carbon monoxide electrosorption on platinum over wide potential ranges: delineation of site occupancy changes and nonlinear band frequency–potential shifts (Roth et al.) 285
Basal single crystal Pt electrodes
Electrochemical behaviour of basal single crystal Pt electrodes in alkaline medium (Morallón et al.) 217
Bis(4-pyridyl)disulphide
Electrochemical study of bis(4-pyridyl)disulphide and 1,2-bis(4-pyridyl)ethylene adsorption on gold (Czerwiński et al.) 271
Bis(4-pyridyl)ethylene
Electrochemical study of bis(4-pyridyl)disulphide and 1,2-bis(4-pyridyl)ethylene adsorption on gold (Czerwiński et al.) 271

Cadmium
The influence of solution composition on lead, cadmium and thallium underpotential deposition on (111) oriented silver single crystal surfaces (Jović et al.) 229
Carbon dioxide
CO_2 reduction at platinum, gold and glassy carbon electrodes in acetonitrile. An in-situ FTIR study (Christensen et al.) 197
Carbon monoxide
Infrared spectroscopy of carbon monoxide electrosorption on platinum over wide potential ranges: delineation of site occupancy changes and nonlinear band frequency–potential shifts (Roth et al.) 285
Chalcopyrite
An electrochemical study of the oxidation of chalcopyrite in acidic solution (Holliday, Richmond) 83

Diffusion-limited currents
Diffusion-limited currents at hemispheroidal microelectrodes (Myland, Oldham) 1
Dihydroxylamines
The reduction mechanism of aromatic nitro compounds in aqueous medium. Part I. Reduction to dihydroxylamines between pH 0 and 5 (Laviron, Roullier) 165
Dimethylsulphoxide
Mechanism of zinc(II) reduction in DMSO on mercury (Lasia, Bouderbala) 153
Dimethyl-3,4,5,6-tetrahydro-2(1H)-pyrimidinone
DMPU + water mixtures. Part II. Electrode processes of the $Zn^{2+}/Zn(Hg)$ system in DMPU + water solutions (Stroka et al.) 143

Electron consumption
Absolute determination of electron consumption in transient or steady state electrochemical techniques (Amatore et al.) 45

Free radicals
Voltammetric studies of photochemically generated free radicals (Smith et al.) 111

Glass sodium electrode
Thermodynamic studies of NaCl solutions in

water + methanol mixtures by means of a galvanic cell containing a glass sodium electrode (Kozłowski et al.) 75

Glassy carbon

CO_2 reduction at platinum, gold and glassy carbon electrodes in acetonitrile. An in-situ FTIR study (Christensen et al.) 197

Gold

CO_2 reduction at platinum, gold and glassy carbon electrodes in acetonitrile. An in-situ FTIR study (Christensen et al.) 197

Electrochemical study of bis(4-pyridyl)disulphide and 1,2-bis(4-pyridyl)ethylene adsorption on gold (Czerwiński et al.) 271

Hemispheroidal microelectrodes

Diffusion-limited currents at hemispheroidal microelectrodes (Myland, Oldham) 1

Interface between two immiscible electrolyte solutions

Photochemical transfer of tetraaryl ions across the interface between two immiscible electrolyte solutions (Samec et al.) 245

Iron porphyrins

Electrocatalysis of oxygen reduction by water-soluble iron porphyrins. Thermodynamic and kinetic advantage studies (Su et al.) 177

Lead

The influence of solution composition on lead, cadmium and thallium underpotential deposition on (111) oriented silver single crystal surfaces (Jović et al.) 229

Mercury

Kinetic determination of Hg(II) by anodic stripping potentiometry (Cladera et al.) 99

Mechanism of zinc(II) reduction in DMSO on mercury (Lasia, Bouderbala) 153

Methanol

Thermodynamic studies of NaCl solutions in water + methanol mixtures by means of a galvanic cell containing a glass sodium electrode (Kozłowski et al.) 75

Microelectrodes

Diffusion-limited currents at hemispheroidal microelectrodes (Myland, Oldham) 1

Modified electrodes

A transmission line model for modified electrodes and thin layer cells (Albery et al.) 15

Monte Carlo simulations

Monte Carlo simulations of adsorption/desorption processes related to adsorptive stripping voltammetry (Fanelli et al.) 263

Nitro compounds

The reduction mechanism of aromatic nitro compounds in aqueous medium. Part I. Reduction to dihydroxylamines between pH 0 and 5 (Laviron, Roullier) 165

Organometallic electrochemistry

Absolute determination of electron consumption in transient or steady state electrochemical techniques (Amatore et al.) 45

Oxygen

Electrocatalysis of oxygen reduction by water-soluble iron porphyrins. Thermodynamic and kinetic advantage studies (Su et al.) 177

Photochemistry

Photochemical transfer of tetraaryl ions across the interface between two immiscible electrolyte solutions (Samec et al.) 245

Voltammetric studies of photochemically generated free radicals (Smith et al.) 111

Platinum

CO_2 reduction at platinum, gold and glassy carbon electrodes in acetonitrile. An in-situ FTIR study (Christensen et al.) 197

Effect of surface long-range order in aniline interaction with Pt(111) electrodes in acid medium (Albalat et al.) 277

Electrochemical behaviour of basal single crystal Pt electrodes in alkaline medium (Morallón et al.) 217

Infrared spectroscopy of carbon monoxide electrosorption on platinum over wide potential ranges: delineation of site occupancy changes and nonlinear band frequency–potential shifts (Roth et al.) 285

Polymerization

Electropolymerization of a vacuum-evaporated monomer film. The case of 1-pyrenamine as a monomer (Yasuda, Seto) 65

Polyvalent metals

Self-organization phenomena in polyvalent metal electroreduction processes. Experiment and theory Karnaukhov et al.) 35

1-Pyrenamine

Electropolymerization of a vacuum-evapo-

rated monomer film. The case of 1-pyrenamine as a monomer (Yasuda, Seto) 65

Ring–disc electrodes
An electrochemical study of the oxidation of chalcopyrite in acidic solution (Holliday, Richmond) 83
Rotating disk electrodes
An electrochemical study of the oxidation of chalcopyrite in acidic solution (Holliday, Richmond) 83

Self-organization phenomena
Self-organization phenomena in polyvalent metal electroreduction processes. Experiment and theory (Karnaukhov et al.) 35
Silver
The influence of solution composition on lead, cadmium and thallium underpotential deposition on (111) oriented silver single crystal surfaces (Jović et al.) 229
Single crystal Pt electrodes
Electrochemical behaviour of basal single crystal Pt electrodes in alkaline medium (Morallón et al.) 217
Site occupancy changes
Infrared spectroscopy of carbon monoxide electrosorption on platinum over wide potential ranges: delineation of site occupancy changes and nonlinear band frequency–potential shifts (Roth et al.) 285
Sodium chloride
Thermodynamic studies of NaCl solutions in water + methanol mixtures by means of a galvanic cell containing a glass sodium electrode (Kozłowski et al.) 75
Steady state electrochemical techniques
Absolute determination of electron consumption in transient or steady state electrochemical techniques (Amatore et al.) 45
Surface long-range order
Effect of surface long-range order in aniline interaction with Pt(111) electrodes in acid medium (Albalat et al.) 277

Tetraaryl ions
Photochemical transfer of tetraaryl ions across the interface between two immiscible electrolyte solutions (Samec et al.) 245
Thallium
The influence of solution composition on lead, cadmium and thallium underpotential deposition on (111) oriented silver single crystal surfaces (Jović et al.) 229
Thiazolidine-4-carboxylic acids
Electrochemical studies of the decomposition of thiazolidine-4-carboxylic acids in aqueous solutions (Karpinski et al.) 129
Thin layer cells
A transmission line model for modified electrodes and thin layer cells (Albery et al.) 15
Transient electrochemical techniques
Absolute determination of electron consumption in transient or steady state electrochemical techniques (Amatore et al.) 45
Transmission line model
A transmission line model for modified electrodes and thin layer cells (Albery et al.) 15

Underpotential deposition
The influence of solution composition on lead, cadmium and thallium underpotential deposition on (111) oriented silver single crystal surfaces (Jović et al.) 229

Vacuum-evaporated monomer film
Electropolymerization of a vacuum-evaporated monomer film. The case of 1-pyrenamine as a monomer (Yasuda, Seto) 65

Zinc
DMPU + water mixtures. Part II. Electrode processes of the $Zn^{2+}/Zn(Hg)$ system in DMPU + water solutions (Stroka et al.) 143
Mechanism of zinc(II) reduction in DMSO on mercury (Lasia, Bouderbala) 153